Unit 12 Barratt Trading Estate, Denmore Road, Bridge of Don, Aberdeen AB23 8JW

Comtrac Side Door Stripper User Manual

This Manual Covers the Following Part Numbers:

102-4804-HV0

This is a certified safety critical product and modifications or changes not authorised by Phuel Oil Tools may compromise the Safety, Functionality and Certification of the assembly.

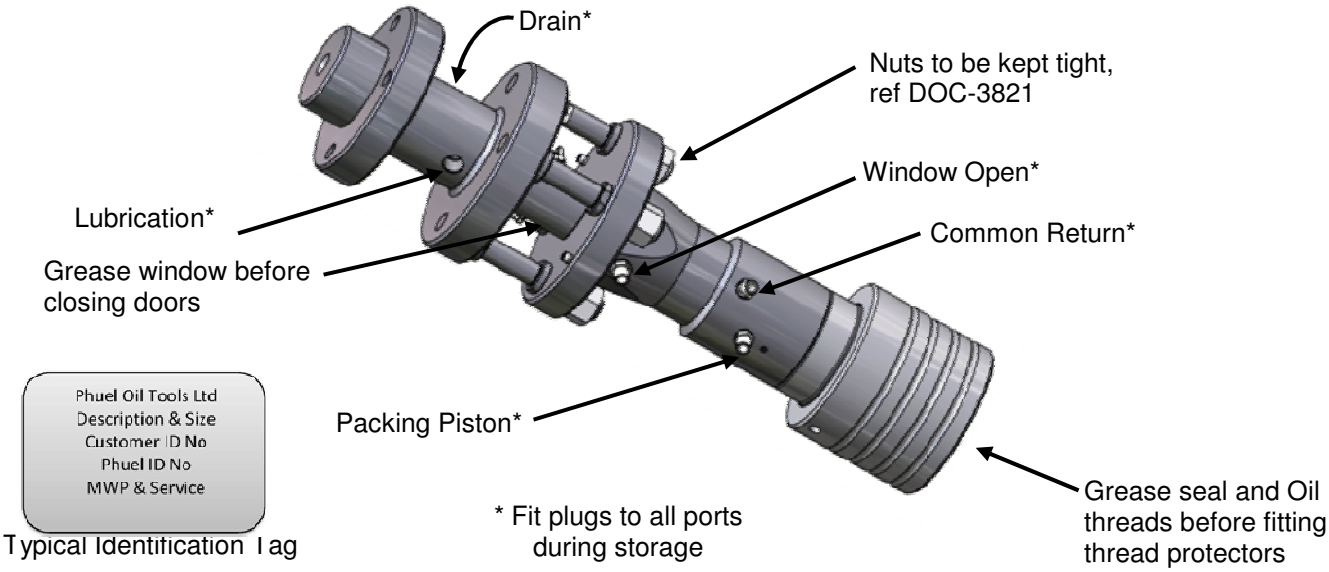
Safety Considerations:

All pressure equipment has a particular pressure rating and care must be taken to ensure that no item is used in a situation that may cause its working pressure to be exceeded.

This equipment is heavy and should not be lifted without lifting aids

User Manual -
Comtrac Side Door Stripper

Recommended Operation and Maintenance for the Side Door Stripper



Typical Identification Tag

Pre Job

- Check that the certification and scheduled maintenance is up to date.
- Examine the assembly, to make sure that it is good operating order, and seal areas and threads are not damaged.

Post Job

- After each job, the assembly should be thoroughly cleaned and redressed if required.
- The assembly should be protected against the effects of corrosion and damage.

Annually

- Inspect the condition of sealing surfaces and surface coatings, and threads, repair/replace as necessary.
- Re-coat threads and sealing surfaces if necessary. Contact Phuel if in doubt.
- Pressure Test to 300 to 500 psi and to maximum working pressure.
- Inspect paintwork and repair where necessary.

Five Yearly

- Recertification by Phuel Oil Tools in accordance with DNV-RP-E101

Pressure Test

- Fit the appropriate test cap and either seal against secured rod or use Test Plug 900-5237-HV0
- Fill with test fluid, bleeding off any air in the system
- Apply pressure between 300 to 500 psi and hold for a minimum of 10 minutes
- Increase pressure to Maximum Working Pressure, allow to stabilise and hold for 15 minutes with no visible leaks.
- Bleed off pressure, drain test fluid, and remove test caps and dry
- Apply coating of de-watering solution to protect the bore and threads, and fit thread protectors

User Manual -
Comtrac Side Door Stripper

Side Door Stripper Operational Limitations

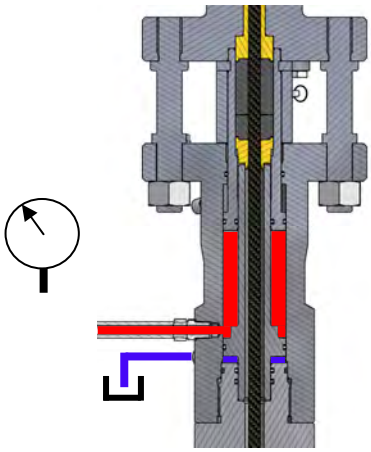
To follow upon completion of testing

User Manual -
Packing Change
Comtrac Side Door Stripper

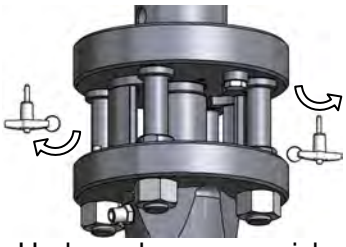
Procedure for changing packing

This can be achieved with the rod still in the bore.

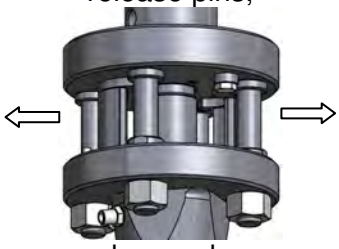
Ensure well bore is depressurised before commencing



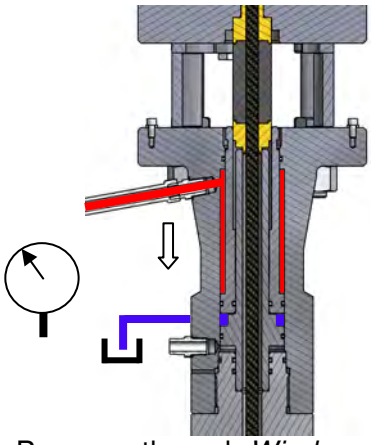
Pressure through *Common Return* port (max 3000psi)
(Drain from *Packing Piston*)



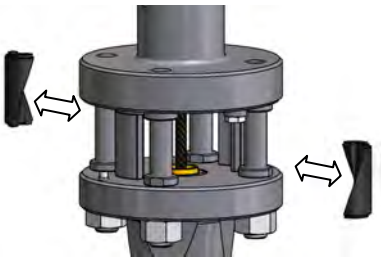
Undo and remove quick release pins,



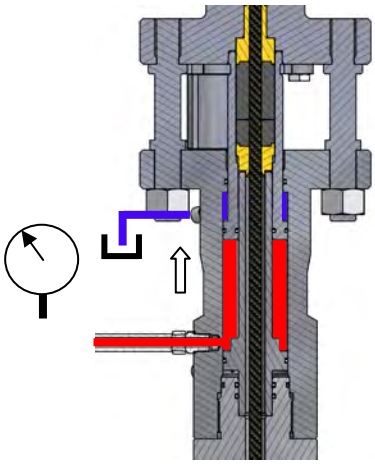
and open doors



Pressure through *Window Open* port (max 3000psi) to fully open window
(Drain from *Common Return*)

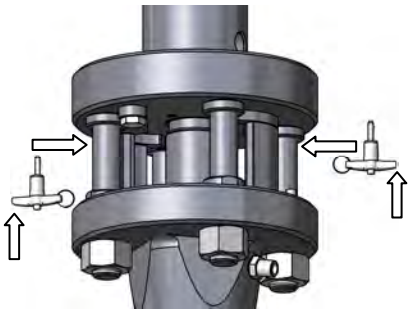


Remove and replace packing

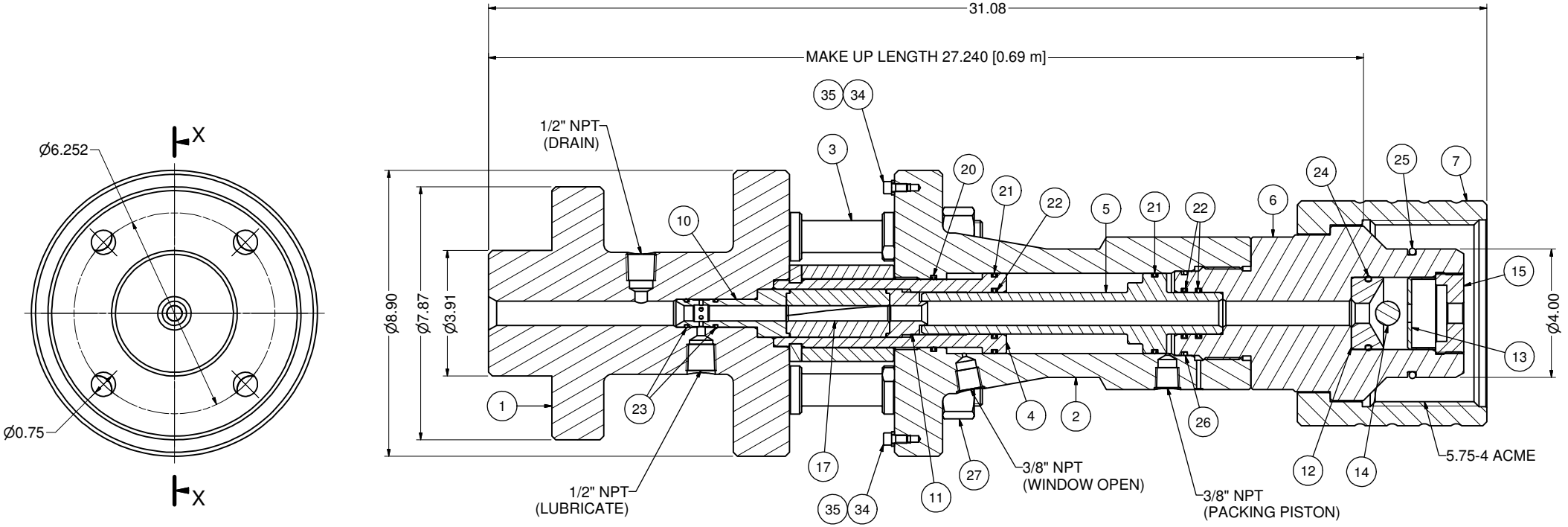


Pressure through *Common Return* port (max 3000psi)
(Drain from *Window Open*)

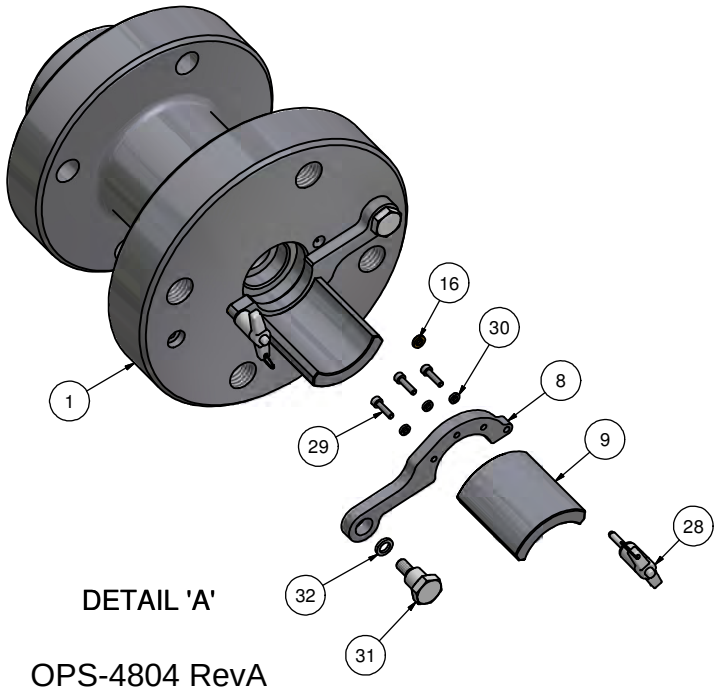
Apply grease before closing doors



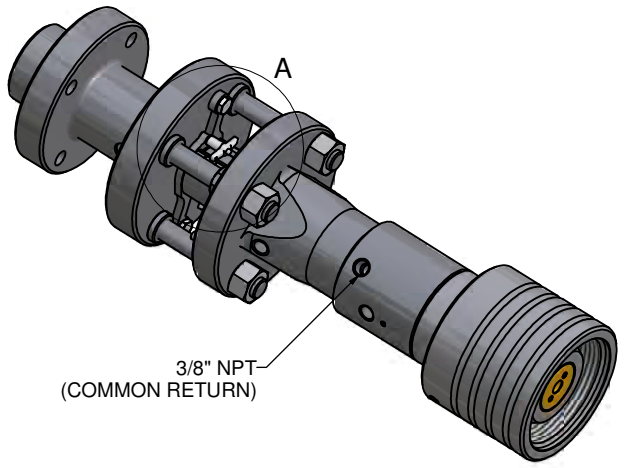
Close doors and insert pins
Remove pressure.



X-X



DETAIL 'A'



NOTES:
WEIGHT: 196lb / 89Kg
10,000PSI WORKING PRESSURE
15,000PSI TEST PRESSURE
FIT THREAD PROTECTOR (NOT SHOWN)
ITEM 33 NOT SHOWN (LANYARD)

CRITICAL COMPONENT?	Y					
MINIMUM YIELD STRENGTH (KSI)	N/A					
MATERIAL CERT W/ IMPACTS?	N					
NDT PER API 6A (PSL-3)?	N					
SURFACE COATING						
SELECT TO SUIT MATERIAL TYPE						
CARBON STEEL	N/A					
STAINLESS STEEL	N/A	REV	DATE	DESCRIPTION	BY	
		REVISION HISTORY				

DRAWN J SMITH	13/06/2012
CHECKED A GREEN	27/08/2012
	N.T.S

UNLESS STATED OTHERWISE:
X.X ± 0.062 X.XX ± 0.030 X.XXX ± 0.010
ANGLES ± 0° 30'
ALL DIAS CONCENTRIC TO 0.010 T.I.R
SURFACE FINISH 250 RMa
DIMENSIONS IN INCHES

© Phuel Oil Tools
Tel 0785 992 0170

TITLE
COMTRAC SIDE DOOR STRIPPER
WITH 5-3/4"-4 ACME PIN & COLLAR

PRODUCT NO	DOC NO	MATERIAL	REV
102	4804	SEE PO	A

STATUS Released SHEET 1 OF 1

OPS-4804 RevA

CONTROLLED DOCUMENT - CHECK THAT YOU ARE USING THE CORRECT REVISION

Bill of Material – 102-4804-HV0

Item	Part Number	Description	Qty
1	102-4893-411	TOP SUB (C6)	1
2	102-4895-480	PISTON HOUSING	1
3	102-4894-411	DOOR PILLAR	4
4	102-4896-480	PACKING HOUSING	1
5	102-4908-480	PISTON	1
6	102-4898-480	BOTTOM SUB (5-3/4 10K)	1
7	100-1984-480	COLLAR (5 75-4)	1
8	102-4900-480	LOCK PLATE	2
9	102-4901-480	SIDE DOOR	2
10	102-4902-B21	UPPER BUSH (12mm)	1
11	102-4905-B21	LOWER BUSH (12mm)	1
12	102-4906-B21	CHECK VALVE SEAT	1
13	145-2127-PTF	BALL CUP	1
14	145-2181-316	BALL BEARING 0.750 DIA	1
15	145-2128-B21	RETAINING RING	1
16	102-4909-B21	PIN BUSH	2
17	102-4907-PU8	SIDE DOOR PACKING (12mm)	2
20	802-4980-H85	ROD T-SEAL (2.120 DIA)	1
21	802-4981-H85	PISTON T-SEAL (2.500 DIA)	2
22	802-4982-H85	ROD T-SEAL (1.295 DIA)	3
23	801-0115-V90	O-Ring - B.S Size 115	2
24	801-0226-V90	O-Ring - B.S Size 226	1
25	801-0342-V90	O-Ring - B.S Size 342 (5.3/4"-4 Ouick Union)	1
26	801-0229-V90	O-RING - B.S SIZE 229	1
27	HNC-0750-A2H	Hex Nut 1.00 - UNC	4
28	102-5019-316	QUICK RELEASE PIN	2
29	SHC-5017-316	M4x0.7x16 SOCKET HEAD CAP SCREW	6
30	WNL-3703-316	NORDLOCK WASHER M4	6
31	102-5018-316	DOOR HINGE SCREW	2
32	WNL-0520-304	Nord Lock Washer Size M8 (5/16)	2
33	102-5020-316	LANYARD 4" + TAB 6.5mm	2
34	SHC-0503-304	Soc Hd Cap Size 1/4 Length 0.5 in	2
35	WNL-0500-316	1/4" Nordlock Washer	2
99	910-3541-N66	DW MALE PROTECTOR 5-3/4	1

User Manual -
Bill of Material and Spares

Spares

Use only spares supplied or approved by Phuel Oil Tools Ltd. O-Rings conform to industry standards and may be substituted with those from other suppliers -– **at the sole risk of the user**.

Individual items may be ordered as required using the part number specified

Elastomeric spares are supplied in Viton and HNBR material as standard. Many other materials are available please specify when ordering.

It is recommended that sufficient quantities of the following spares be maintained to ensure that the equipment is always available when required.

Part No	Description
102-4907-PU8	SIDE DOOR PACKING (12mm,)
102-4902-B21	UPPER BUSH (12mm)
102-4905-B21	LOWER BUSH (12mm)

Redress kit part number: RDK-4802-HV0

Part No	Description	Qty
802-4980-H85	ROD T-SEAL (2.120 DIA)	1
802-4981-H85	PISTON T-SEAL (2.500 DIA)	2
802-4982-H85	ROD T-SEAL (1.295 DIA)	3
801-0115-V90	O-Ring - B.S Size 115	2
801-0226-V90	O-Ring - B.S Size 226	1
801-0342-V90	O-Ring - B.S Size 342	1
801-0229-V90	O-RING - B.S SIZE 229	1

Additional Equipment

Wire Specific Items

Items 10, 11, 17 are for 12mm rod. For other rod sizes, contact Phuel Oil Tools

Test Plug

Test plug to be used in place of packing (item 17) for body testing.

Part No	Description
102-4907-PU8	Test plug
801-0218-V90	Spare O-ring for test plug